Title: Computer Network With Diagnosis Computer Nodes
Inventors: MEIS, Harold and TSCHAFTARY, Thomas
Application No.: 10/523,211
Attorney: Frank H. Foster Telephone: 614/575
Docket No.: GOTZF 145
"Replacement Sheet"

Rec'd PCT/PTO 29 AUG 2005



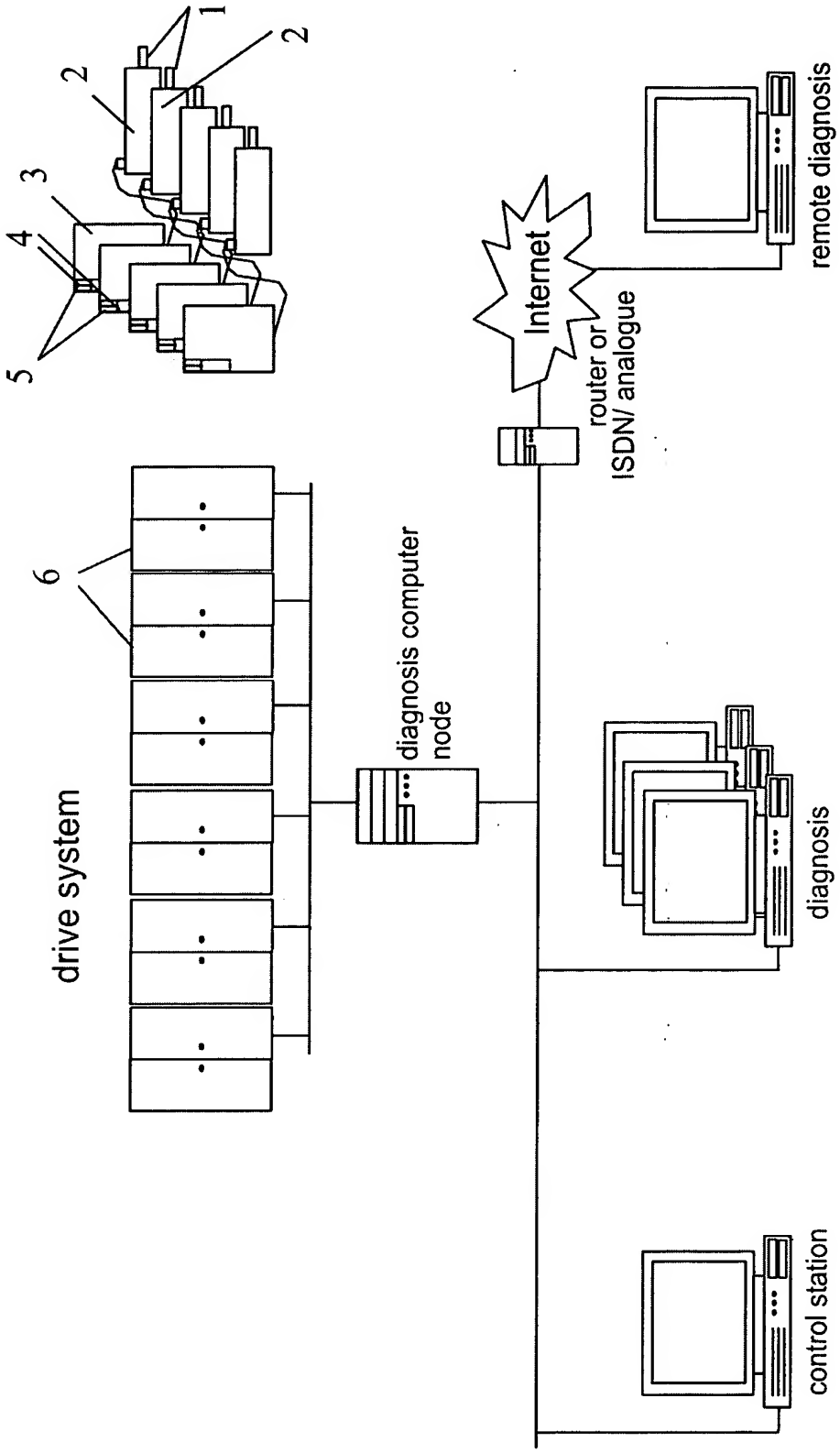


Fig. 1

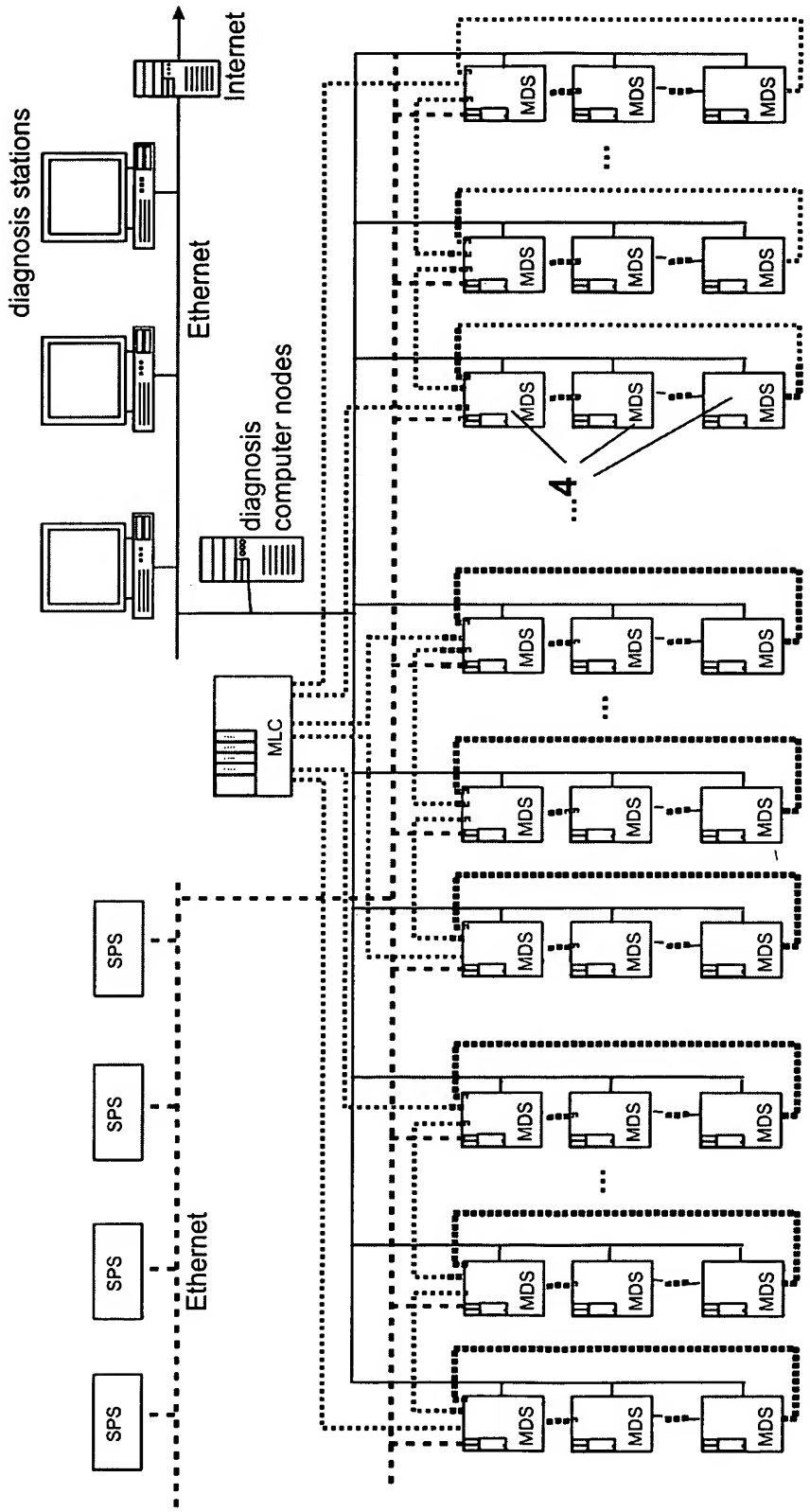
Internet
diagnosis stations
Ethernet
diagnosis computer nodes
MLC
MDS
4
SPS
SPS
SPS
SPS
Ethernet

Fig. 2

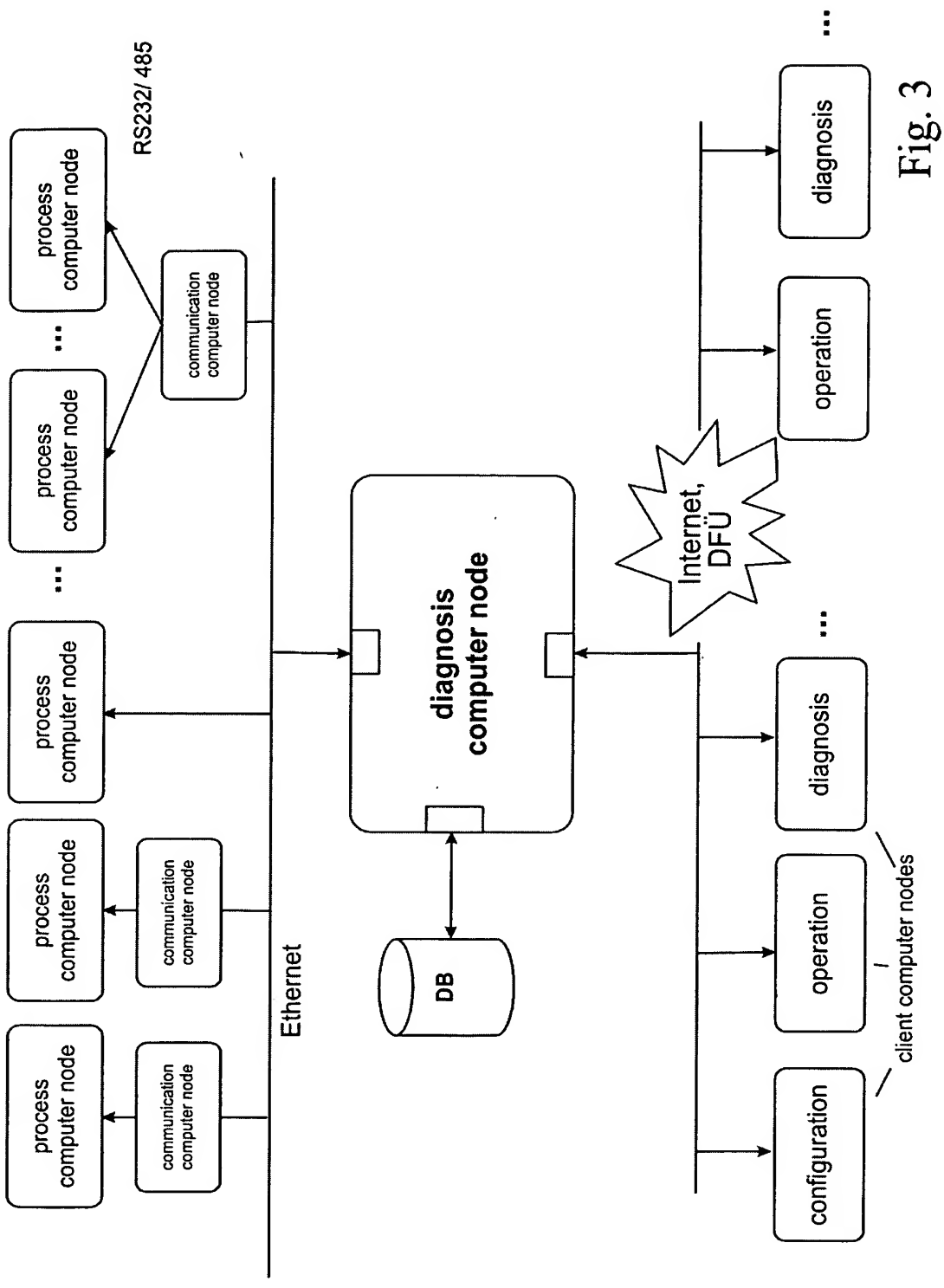
RS232/ 485
process computer node
communication computer node
Ethernet
diagnosis computer node
DB
Internet, DFÜ
operation
diagnosis
configuration
client computer nodes

Fig. 3

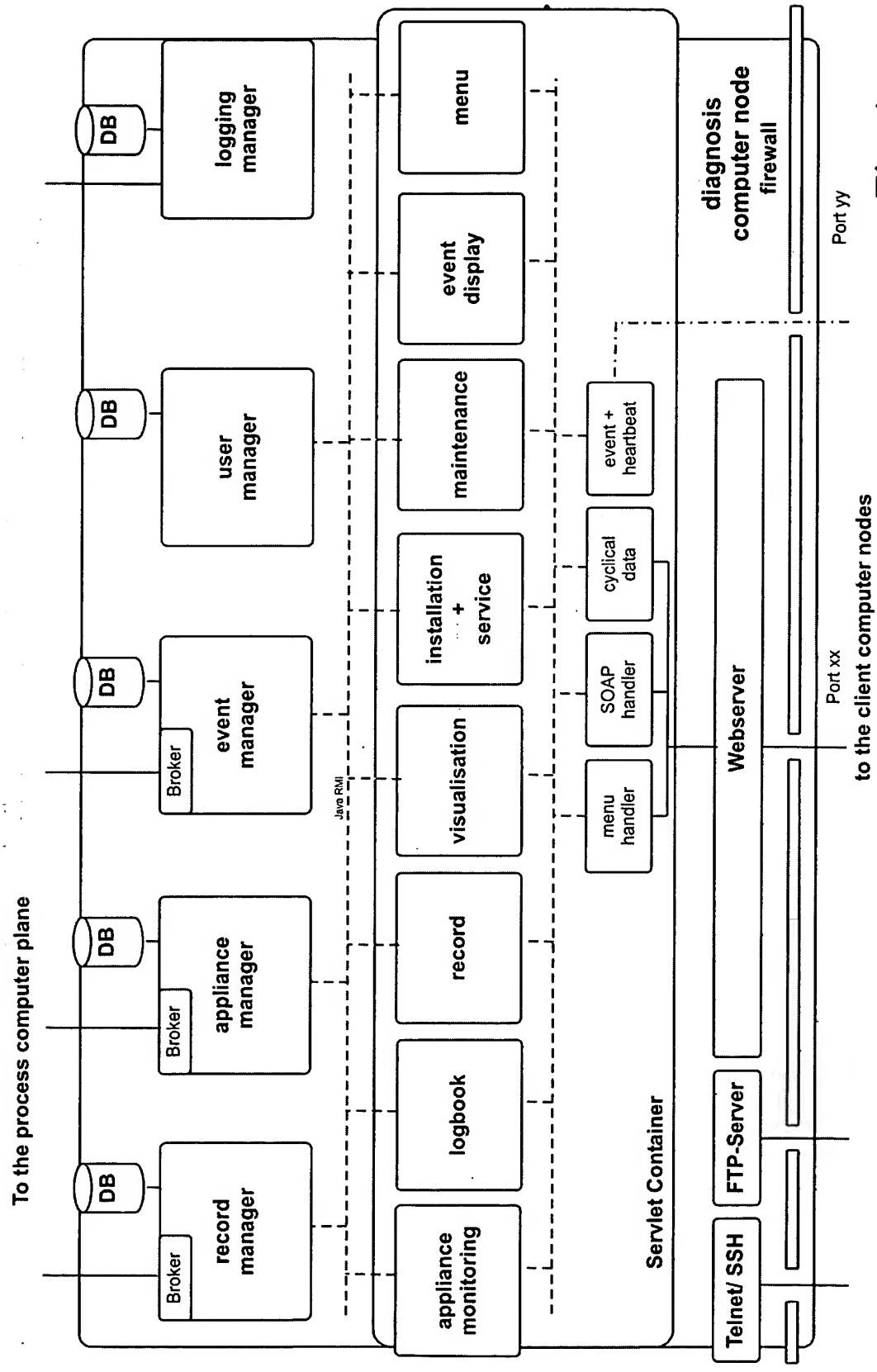
To the process computer plane
DB
Broker
record manager
appliance manager
event manager
user manager
logging manager
Java RMI
appliance monitoring
logbook
record
visualisation
installation + service
maintenance
event display
menu
menu handler
SOAP handler
cyclical data
event + heartbeat
Servlet Container
Webserver
FTP-Server
Telnet/ SSH
diagnosis computer node firewall
Port yy
Port xx
to the client computer nodes

Fig. 4

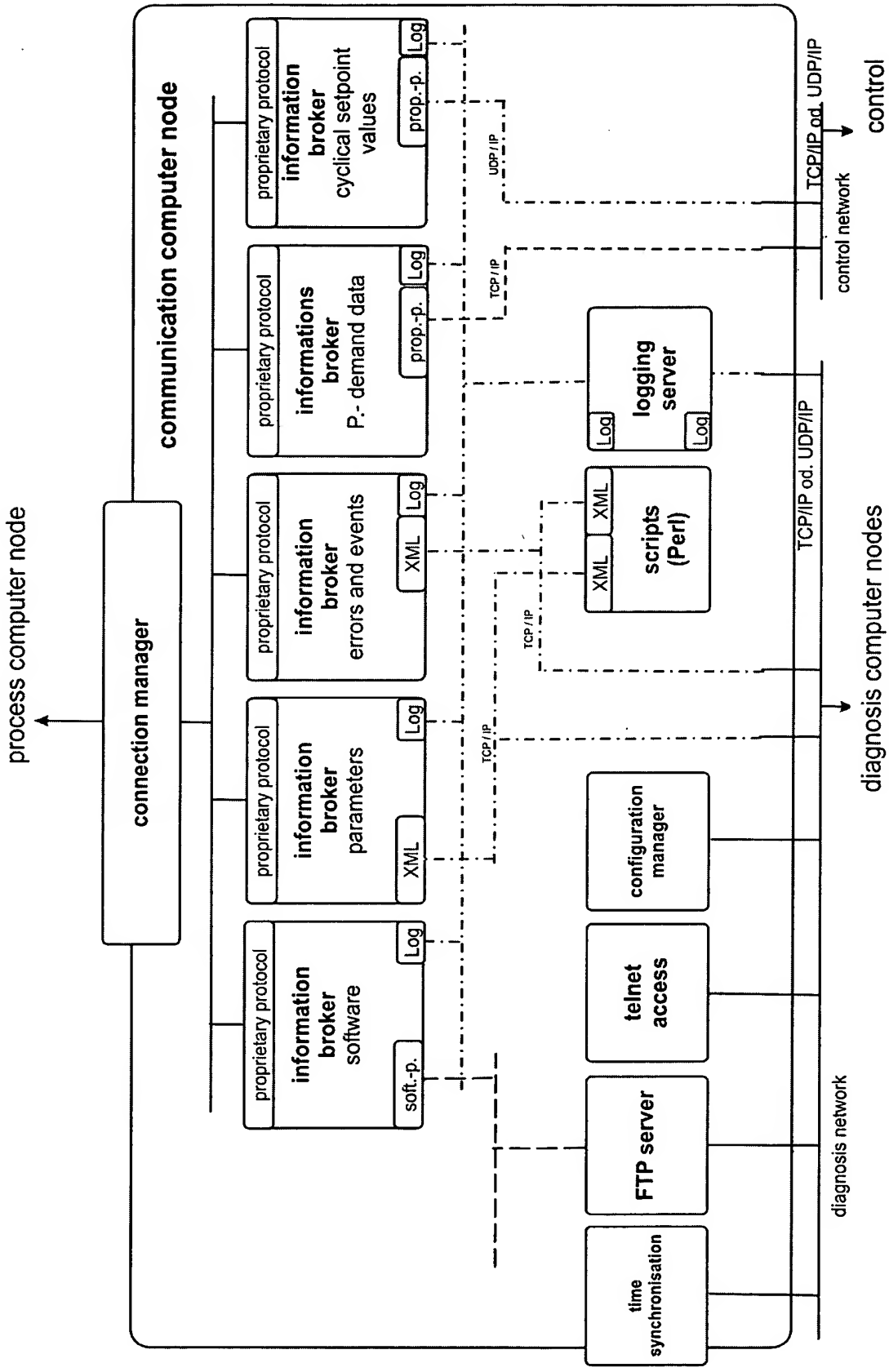
process computer node
connection manager
communication computer node
proprietary protocol
information broker software
soft.-p.
Log
proprietary protocol
information broker parameters
XML
Log
proprietary protocol
information broker errors and events
XML
Log
proprietary protocol
informations broker P.- demand data
prop.-p.
Log
proprietary protocol
information broker cyclical setpoint values
prop.-p.
Log
configuration manager
telnet access
FTP server
time synchronisation
TCP/IP
TCP/IP
TCP/IP
TCP/IP
UDP/IP
XML
XML
scripts (Perl)
Log
logging server
Log
TCP/IP od. UDP/IP
TCP/IP od. UDP/IP
control network
control
diagnosis computer nodes
diagnosis network

Fig. 5

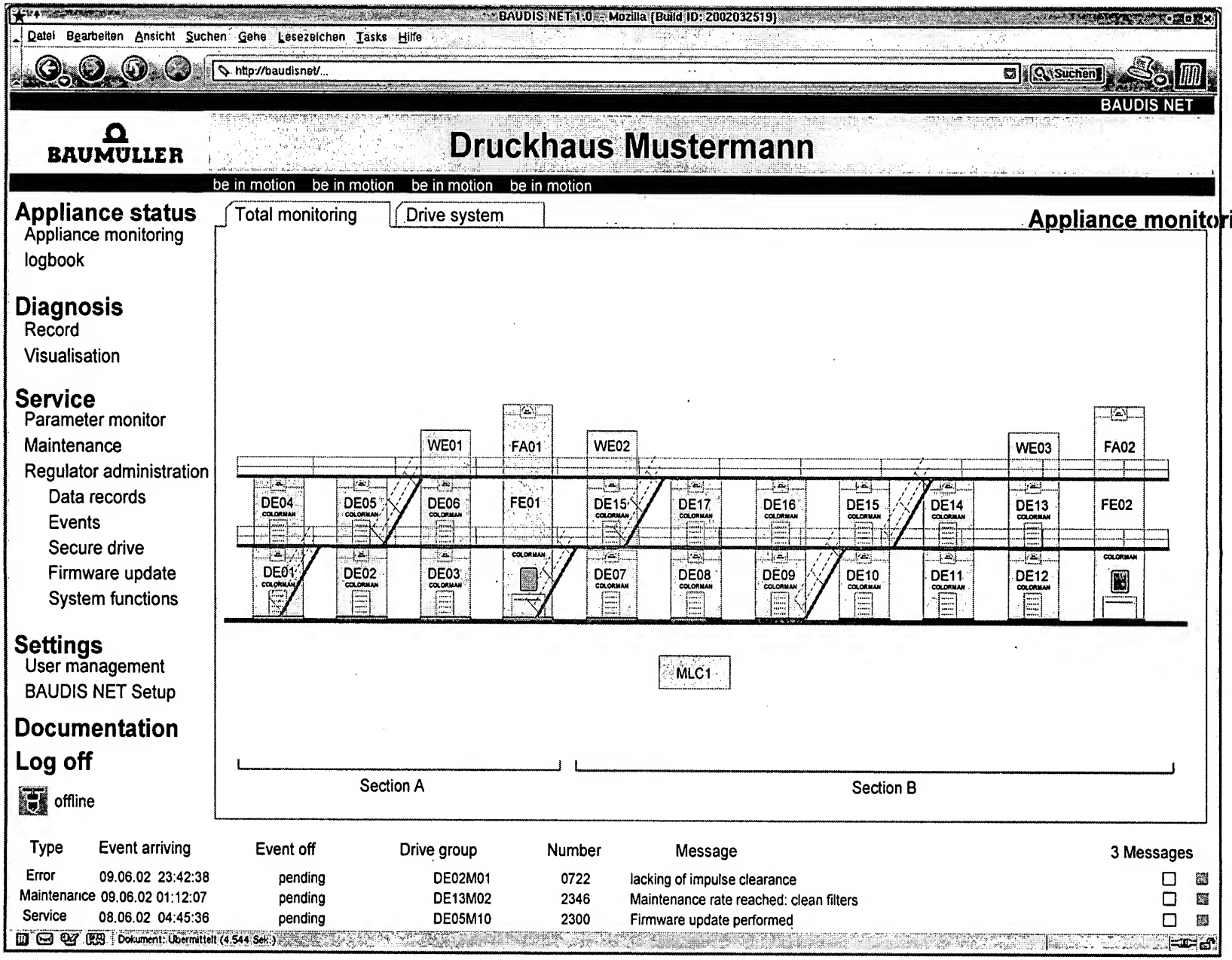


Fig. 6



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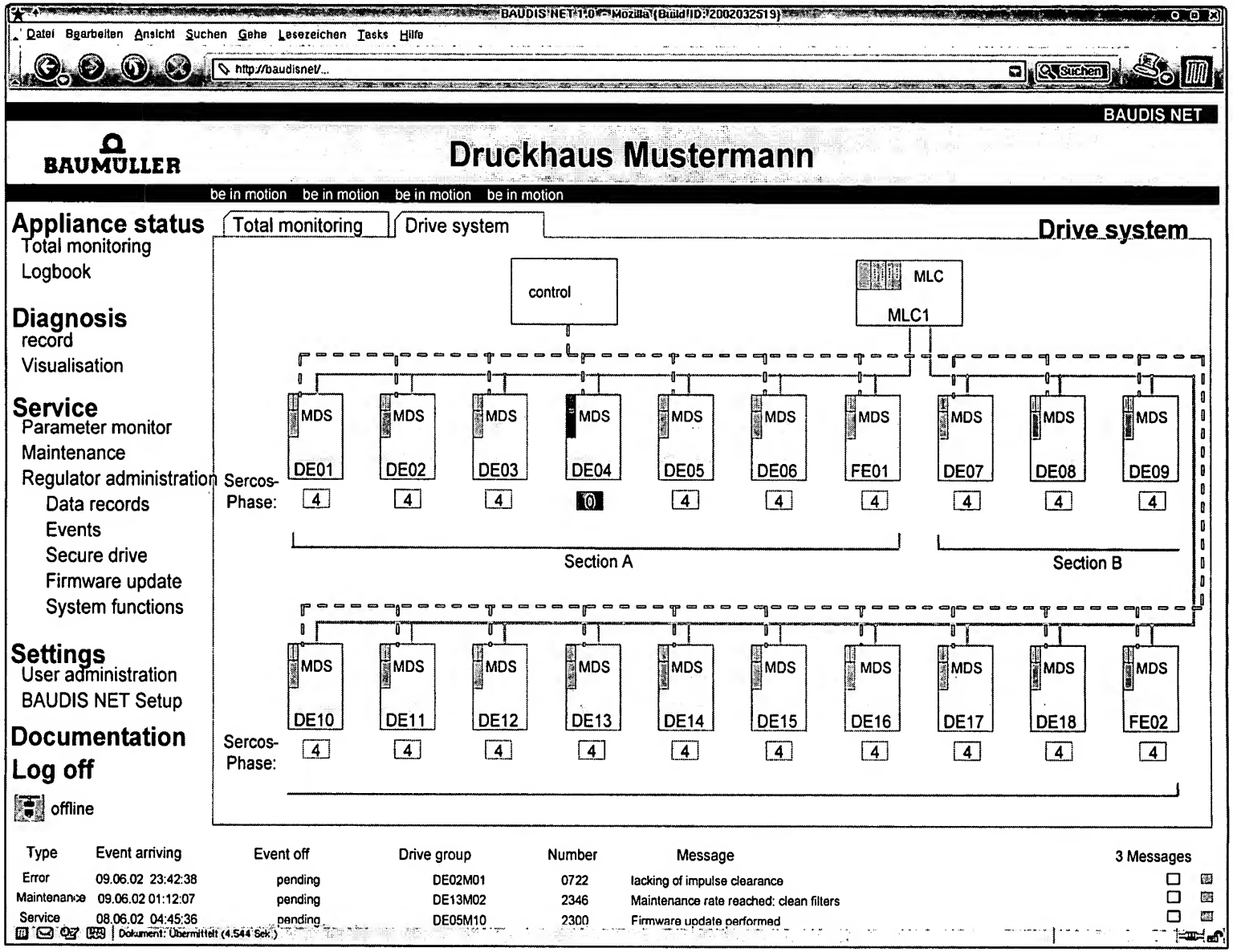


Fig. 7